



Architecture & Innovation Working Group

Meeting of 15 January 2020

Elewijt Center

Theme: Innovation with Quantum Computing?!

Dear IT Professional,

We are living in the mid of the Digital Revolution. Almost every second, we apply or experience “classical” computing in one or the other way. However, there are challenges that today’s systems will never be able to solve, or at least not in a timely fashion. For problems above a certain size and complexity, we just don’t have enough computational power to tackle them.

For solving some of these problems, a new kind of computing can rescue us. Quantum Computing leverages the quantum mechanical phenomena of superposition and entanglement to create states that scale exponentially with number of Qubits, or Quantum Bits.

While early adopters are already defining the first use cases, quite some challenges need to be tackled before we get to the commercial applications of Quantum Computing. For example, what about the skills needed to translate a business problem into a Quantum Algorithm? How to increase the number of usable Qubits at acceptable error rate? When is it appropriate to use a Quantum Algorithm to solve an optimization problem?

For our meeting of 15 January 2020, we have invited leaders in the area of Quantum Computing. They will provide you with critical insights about the current and future capabilities of Quantum Computing.

But more, your inspiration will be triggered to start thinking about the benefits and challenges that come with Quantum Computing and you will be armed to define your Quantum Strategy for the short and midterm. And ...who said that the “most interesting questions are those without an absolute answer”?

So, do not hesitate and enroll for our next meeting on 15 January 2020, taking place in Elewijt Center, by using this link: <https://www.eventbrite.com/e/innovation-with-quantum-computing-tickets-86268723073>

You can also read more details on the next page of this personal invitation letter. We look forward to meeting you on 15 January 2020!

The organizing team

Erik Ombelets, Lead ICT Architect, KBC

Wim Tobback, CTO and Managing Partner, iBizz Group

Eric Michiels, Executive Architect, IBM



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Theme	Innovation with Quantum Computing ?!	
Date	15 January 2020	
Location	Elewijt Center http://www.letsmeet.be/ Address Parking: Berkenstraat , 1982 Elewijt	
Agenda (*)	Topic	Speaker
12:00	Welcome with sandwich lunch	N/A
13:00	Opening of the meeting	Eric Michiels <i>IBM Executive Architect</i>
13:15	Quantum Computing use cases, globally and locally	Deevid De Meyer, <i>Brainjar Co-Founder</i>
14:15	Quantum Computing capabilities today and in the future	Armand Stekelenburg <i>IBM Q Ambassador</i>
15:15	Coffee Break	
15:30	Defining a System Architecture for a Quantum Computer	Koen Bertels <i>Professor at TU Delft</i> <i>Co-Founder of QuantumForce.eu</i>
16:30	Panel discussion with the speakers	All Speakers
17:00	Closing of the meeting Opening of the networking drink	Erik Ombelets, Chairman, KBC Lead ICT Architect
18:00	End of the event	N/A

(*) The Agenda is subject to changes